

Program

March 17, 2023		
Time	Program Item	Location
11:00 am	Check-in	VPD Outdoor Courtyard
11:30 am	Welcome Reception & Lunch honoring Dr. Genevieve Giuliano, Margaret and John Ferraro Chair in Effective Local Government and previous Director of METTRANS Transportation Consortium	VPD Outdoor Courtyard
1:15 pm	Break	
1:30 pm	<p>Concurrent Sessions 1</p> <p>1. Improving Mobility (RGL 209)</p> <ul style="list-style-type: none"> ● Konstadinos Goulias (presenter), UC Santa Barbara, Exploring the impact of COVID-19 pandemic on Americans' time use related subjective well being, co-author: Hui Shi ● Laura Messier (presenter), USC, Broken Sidewalks, Broken Policies ● Aisling O'Reilly (presenter), USC, How can new mobility serve the needs of mobility-constrained communities? A case study of Southeast Los Angeles, co-authors: Genevieve Giuliano, Marlon Boarnet, Yuquan Zhou, Jacob Collins ● Julene Paul (presenter), UCLA, Sharing with strangers: The costs and benefits of online ridesharing <p>2. Mobility & Technology (RGL 215)</p> <ul style="list-style-type: none"> ● Missy Blair (presenter), Pima Community College, Workforce Development: Autonomous Vehicle Driver & Operations Specialist Certificate Program. An Update, co-author: Amanda Abens ● Milad Pooladsanj (presenter), USC, Ramp Metering to Maximize Freeway Throughput under Vehicle Safety Constraints, co-authors: Ketan Savla, Petros Ioannou ● Guoyuan Wu (presenter), UC Riverside, Improving Truck Merging at Ramps in a Mixed Traffic Environment: A Multi-human in-the-loop (MHuIL) Approach, co-authors: Xuanpeng Zhao, Xishun Liao, Kanok Boriboonsomsin ● Fernando Valladares Monteiro (presenter), USC, Risk-Taking Autonomous Lane Changing Decision Method and its Impact on Traffic Flow, co-author: Petros Ioannou <p>3. Improving Resiliency (RGL 219)</p> <ul style="list-style-type: none"> ● Ali Kothawala (presenter), UC Davis and Fehr & Peers, "Smartness" in Cities: A Case of Nine Cities on the Pacific Coast ● Erika Garcia (presenter), USC, California's early transition to electric vehicles: observed health and air quality co-benefits, co-authors: Jill Johnston, Rob McConnell, Lawrence Palinkas, Sandra P. Eckel ● Karl Kim (presenter), UHawaii, Rapid Integrated Damage Assessment (R-IDA) to Support Response, Recovery and Resilience ● Jaehyun Ha (presenter), USC, Simulating Street Network Resilience and Robustness around the World, co-author: Geoff Boeing <p>4. The Intersection of Research and Practice, Part 1 (RGL 308)</p> <p>Panel discussion on data aggregation and standardization. Moderator: Marlon Boarnet, USC</p> <ul style="list-style-type: none"> ● Hunter Owens – Caltrans and Cal ITP ● Jason Lally – California Office of Data and Innovation ● Avital Shavit – LA Metro ● Geoff Boeing – USC ● Caroline Rodier – UC Davis 	



3:00 pm	Break
3:30 pm	<p>Concurrent Sessions 2</p> <p>1. Improving Mobility (RGL 209)</p> <ul style="list-style-type: none"> ● Andrea Nguyen (presenter), UC Davis, Barriers to mobility, barriers to unity: Freeway construction and racialized displacement in San Jose, CA, co-authors: Susan Handy, Jesus Barajas ● Jaehyun Ha (presenter), USC, Innovation on job accessibility and transit scenario planning with General Transit Feed Specification data, co-authors: Madison R.E. Swayne, David R. Flores Moctezuma, Marlon Boarnet, Jiawen Fang ● Susan Pike Cayar (presenter), UC Davis, Public Transit and Open Payments: Challenges and Opportunities for Unbanked Travelers, co-author: Kailey Flynn ● Susan Pike Cayar (presenter), UC Davis, Public Transit and TNC partnerships: Barriers, Opportunities and the Impacts of COVID-19 <p>2. Mobility & Technology (RGL 215)</p> <ul style="list-style-type: none"> ● Siddhartha Gulhare (presenter), UC Davis, The Use of Passively Collected Data to Study the Evolution of Travel Demand ● Siwei Hu (presenter), UC Irvine, An Urban Network Assignment Platform with Equitable Peer-to-Peer Congestion Pricing and its Policy and Equity Implications, co-authors: Daisik Nam, Pengyuan Sun, R. Jayakrishnan, Michael Hyland ● Yiqiao Li (presenter), UC Irvine, Real-time Truck Characterization System: A Pilot Implementation of the Freight Mobility Living Laboratory (FML2), co-authors: Andre Tok, Guoliang Feng, Stephen Ritchie ● Ben Olson (presenter), CSULB, Geographic Visualization of Select Global and Domestic Inland Waterways, co-authors: Adam Doyle, Ramiro Gomez, Thomas O'Brien, Georgie Suico, Paul Lewis-Eno <p>3. Mobility & Technology (RGL 219)</p> <ul style="list-style-type: none"> ● Faria Raha (presenter), NAU, Investigating the Impact of the COVID-19 Pandemic on Traffic Crash Injury Outcomes among Different Demographic Groups, co-authors: Alyssa Ryan, Brendan Russo ● Wei Gu (presenter), USC, A General Coupled Morning-evening Traffic Equilibrium Model with Rideshare and Ride-hailing Services, co-author: Maged Dessouky, Jong-Shi Pang, Michael Zhang ● Muhammad Waqas (presenter), USC, Systematic and Provably Correct Control Design Methodology for Connected Autonomous Vehicles, co-author: Petros Ioannou ● Pengfei Chen (presenter), USC, Centrally coordinated scheduling and routing co-simulation optimization method for airport shuttle fleet management <p>4. The Intersection of Research and Practice, Part 2 (RGL 308)</p> <p>Panel discussion on novel travel data collection approaches for freight and active travel data.</p> <p>Moderator: Genevieve Giuliano, USC</p> <ul style="list-style-type: none"> ● Andreas Krause – Caltrans ● Scott Strelecki – SCAG ● Susan Handy – UC Davis ● Steve Ritchie – UC Irvine ● Luciano Nocera - USC
5:00 pm	<p>End of Program for Day 1</p> <p>Participants are encouraged to mingle informally at one of the recommended locations near USC or in downtown Los Angeles.</p>



March 18, 2023		
Time	Program Item	Location
8:00 am	Program Opening & Breakfast	VPD Courtyard
8:30 am	Student of the Year Awards	VPD Courtyard
9:00 am	<p>Concurrent Sessions 3</p> <p>1. Carbon & Air Quality (VPD 112)</p> <ul style="list-style-type: none"> Adam Cohen (presenter), SJSU, Planning for Advanced Air Mobility Sue Dexter (presenter), USC, Cradle-to-grave Life Cycle Assessment of Zero-emission Heavy-duty Trucks Mariano Rubio (presenter), USC, Plasma-Enhanced Combustion of Carbon-free Fuels for Reduced CO2 Emissions, co-authors: Boxin Zhang, Oscar Hernandez, Yushan Chen, Fokion Egolfopoulos, and Stephen B. Cronin Carlos Otero (presenter), UC Davis, Electrification of heavy-duty fleets under a sustainable regulatory environment and infrastructure limitations <p>2. Improving Mobility (VPD 105)</p> <ul style="list-style-type: none"> Brendan Russo (presenter), NAU, Analyzing the Impacts of Intersection Treatments and Traffic Characteristics on Bicyclist Safety: Development of Data-Driven Guidance on the Application of Bike Boxes, Mixing Zones, and Bicycle Signals, co-authors: Sirisha Kothuri, Edward Smaglik, David Hurwitz Weijing Wang (presenter), UC Davis, Mobility Justice in Rural California: Examining Transportation Barriers and Adaptations in Carless Households, co-author: Jesus M. Barajas Christopher Phair (presenter), NAU, Observed Sidewalk Autonomous Delivery Robot Interactions with Pedestrians and Bicyclists, co-authors: Steven Gehrke, Christopher Phair, Brendan Russo, Ed Smaglik Robert Binder (presenter), USC, When Lyft Becomes the Best Option: Interactions with the Near-Captive Rider Hossain Mohiuddin (presenter), UC Davis, Increasing the Use and Equity of Shared E-bike: The Case of Sacramento Dockless E-bike Share, co-authors: Dillon Fitch-Polse, Susan Handy <p>3. Mobility & Technology (VPD 116)</p> <ul style="list-style-type: none"> Narayan Gopinathan (presenter), UCLA, Environmental impacts of hydrogen and electric trucks, Zheyu Wang (presenter), USC, Pickup and delivery problem with hard time windows considering stochastic and time-dependent travel times, co-authors: Petros Ioannou, Maged Dessouky Karl Kim (presenter), U Hawaii, Hydrogen Rail Institute: Plans, Partnerships, and Potential Gary Rostomyan (presenter), USC, Management of Multiple Bottlenecks Using Pricing Under Constraints, co-authors: Ketan Savla, Petros Ioannou Zhexian Li (presenter), USC, Stability Analysis of the Cell Transmission Model Considering Capacity Drop under MPC-MHE Ramp Metering, co-author: Ketan Savla 	
10:30 am	Break	
11:00 am	<p>Concurrent Sessions 4</p> <p>1. Resilience & Mobility (VPD 112)</p> <ul style="list-style-type: none"> Edward Smaglik (presenter) NAU, Prioritizing Bicyclist Safety and Mobility: Which 	



	<p>Guidance Do I Use?, co-authors: Christopher Phair, Anthony Eschen, Brendan Russo</p> <ul style="list-style-type: none"> ● Maria Carolina Lecompte (presenter), UC Davis & UCLA, Lessons Learned from Abroad: Potential Influence of California High-Speed Rail on Economic Development, Land Use Patterns, and Future Growth of Cities. Co-authors: Lucia Rossignol, Anastasia Loukaitou-Sideris ● Koti Reddy Allu (presenter), UC Irvine, Heavy Duty Truck operational insights using ALPR systems deployed at Border and Gateway points, co-authors: Andre Tok, Stephen Ritchie ● Peng Hao (presenter), UC Riverside, System-level Evaluation of Low-exposure Truck Routing Strategies using Agent-based Simulation ● Qifan Shao (presenter), USC, Ride-hailing and Transit: Exploring cross-price elasticities in California, co-authors: Marlon Boarnet, Clemens Pilgram <p>2. Improving Mobility (VPD 105)</p> <ul style="list-style-type: none"> ● Jacob Wasserman (presenter), UCLA, Homelessness on the Road: Understanding and Responding to Homelessness in State Transportation Settings, co-authors: Anastasia Loukaitou-Sideris, Hao Ding, Claire Nelischer ● Toby Smith, Maya Hsu (presenters), UC Davis, Toward 'a Wise and Sacred Movement': Mobility Justice as Movement Work, co-author: Sarah McCullough ● Justin Flynn (presenter), UC Davis, Transportation and Neighborhood Priorities of Californians with Disabilities: Focus Group Findings, co-authors: Prashanth Venkataram, Giovanni Circella ● Armando Martinez (presenter), NAU, Exploring neighborhood Differences in Bicycling Accessibility to Physical and Virtual Workplaces <p>3. Mobility & Technology (VPD 116)</p> <ul style="list-style-type: none"> ● Anthony Eschen (presenter), NAU, An Empirical Analysis of Fisheye Camera Intersection Traffic Detector Performance: Assessing the Potential Impacts of Camera Position and Lighting Conditions, co-authors: Edward Smaglik, Aneesh Khadka, Brendan Russo ● Tak Chun Marcus Chan (presenter), UC Davis, Road Pricing in Los Angeles County: Understanding Stakeholder Views and Vision for Transportation Sustainability, co-author: Alimurtaza Kothawala, Giovanni Circella ● Koti Reddy Allu (presenter), UC Irvine, Microscopic Trajectory Estimation using infrastructure mounted side-fire LiDAR, co-authors: Zhe Sun, Andre Tok, Stephen Ritchie ● Kevin White, U Hawaii, Coexisting with Wildfires: A Comparative Assessment of Wildfire Policies in the States of Victoria and California (<i>Theme: Improving Resiliency</i>)
12:30 pm	<p>Event closing</p> <p>Safe travels!</p>

